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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

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Item 4.6.7 of the provisional agenda

1958 Agreement:

Consideration of draft amendments to existing

UN Regulations submitted by GRE

Proposal for Supplement 2 to the 01 series of amendments to UN Regulation No. 149 (Road illumination devices)

Submitted by the Working Party on Lighting and Light-Signalling*

The text reproduced below was adopted by the Working Party on Lighting and Light-Signalling (GRE) at its eighty-eighth session (ECE/TRANS/WP.29/GRE/88, paras. 25 and 31). It is based on informal documents GRE-88-25-Rev.1 and GRE-88-09. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee (AC.1) for consideration at their November 2023 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2023 as outlined in proposed programme budget for 2023 (A/77/6 (Sect. 20), table 20.6), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.



Add new paragraphs 5.3.2.10., 5.3.2.10.1. and 5.3.2.10.2. to read:

“5.3.2.10. The Driver Assistance Projection according to UN Regulation No. 48, paragraph 5.35., may be produced by modifying the passing-beam light distribution within a zone limited by the following angles:

vertically: - 1.2° and below

horizontally: ± 25°

In this zone, the intensity of the projection shall not exceed $2.15 \cdot 10^5$ cd and shall not be less than the minimum intensities prescribed in Table 7.

5.3.2.10.1. The colour of the light emitted for Driver Assistance Projection shall be white.

5.3.2.10.2. In case a Driver Assistance Projection is approved as part of the passing-beam light distribution an indication shall be made in the communication form in Annex 1.”

Paragraph 5.3.3.8., amend to read:

“5.3.3.8. The Driver Assistance Projection according to UN Regulation No. 48, paragraph 5.35., may be part of the driving-beam light distribution within a zone limited by the following angles:

vertically: - 1.2° and below

horizontally: ± 25°

The Driver Assistance Projection may be produced by modifying the beam pattern in the zone defined above, where the luminous intensity in any point of the entire driving beam shall not exceed the maximum value (I_{\max}) according to paragraph 5.1.4.2. and not be less than the minimum intensities prescribed in Table 13 Part B.”

Add a new paragraph 5.3.3.8.2. to read:

“5.3.3.8.2. In case a Driver Assistance Projection is approved as part of the driving-beam light distribution an indication shall be made in the communication form in Annex 1.”

Annex 1,

Add new items 9.2.10.7. and 9.2.10.8. to read:

“9.2.10.7. The Adaptive driving-beam may produce Driver Assistance Projection according to UN Regulation No. 48: yes/no²

9.2.10.8. The passing-beam may produce Driver Assistance Projection according to UN Regulation No. 48: yes/no²”
